SIEMENS

Data sheet for SIMOTICS S-1FK2

Article No. : **1FK2206-2AF10-1MA0**



Figure similar

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

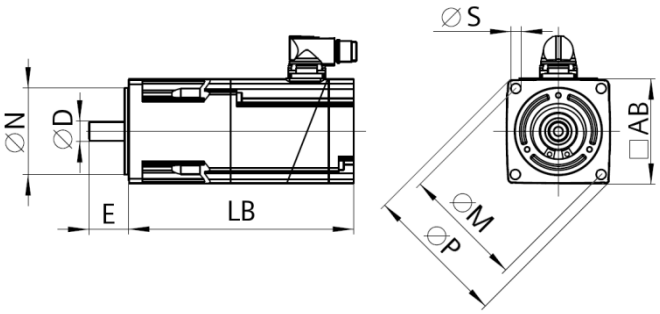
Basic motor data	
Motor type	Permanent-magnet synchronous motor, Natural cooling, IP64
Motor type	Compact
Static torque	6.50 Nm
Static current	5.0 A
Maximum torque	18.00 Nm
Maximum current	17.8 A
Maximum speed	6,000 rpm
Rotor moment of inertia	9.4000 kgcm²
Weight	7.9 kg

Rated data	
SINAMICS S210, 3AC 400V	
Rated speed	3,000 rpm
Rated torque	5.40 Nm
Rated current	4.4 A
Rated power	1.71 kW

Encoder system	
Encoder system	Encoder AM22DQC: Absolute encoder 22 bit + 12 bit multiturn
Safety Integrated - Suitable encoder	Yes

Motor connection	
Connection type	OCC for S210
Connector size OCC	M23

Mechanical data	
Design acc. to Code I	IM B5 (IM V1, IM V3)
Vibration severity grade	Grade A
Shaft height	63
Flange size (AB)	125 mm
Centering ring (N)	110 mm
Hole circle (M)	130 mm
Screw-on hole (S)	9.0 mm
Overall length (LB)	205 mm
Diameter of shaft (D)	24 mm
Length of shaft (E)	50 mm
Length of flange diagonal (P)	158 mm
Shaft end	Fitted key
Color of the housing	Standard (Anthracite, similar to RAL 7016)



Holding brake	
Holding torque	13.00 Nm
Average dynamic torque	6.50 Nm
Opening time	70 ms
Closing time	35 ms
Maximum single switching energy [1)]	1,550 J
Service life, operating energy	774,000 J
Holding current[2)]	0.35 A
Break-induced current for 500 ms[2)]	1.1 A

[1)] Up to three consecutive emergency stops and up to 25% of all emergency stops as a Wmax high energy stop possible.

[2)] Typcial value for 20°C ambient temperature. At -15°C the break-induced currents can be increased by up to 30%.

Subject to change. Calculated values may differ from nameplate ratings. © Copyright Siemens